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## NOTICE OF ALLOWANCE AND FEE(S) DUE

25541

7590

05/21/2008

NEAL, GERBER, & EISENBERG SUITE 2200 2 NORTH LASALLE STREET CHICAGO, IL 60602 EXAMINER

CARLSON, KAREN C

ART UNIT PAPER NUMBER

1656 DATE MAILED: 05/21/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/567,286	02/03/2006	Yusong Chen	19599.01US1	9742

TITLE OF INVENTION: CARDIO MYOPEPTIDIN, THE PRODUCTION AND THE USE THEREOF

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	08/21/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450
or Fax (571)-273-2885

maintenance fee notifica	ed below or directed oth tions. ENCE ADDRESS (Note: Use Bl			•		rate "FEE ADDRESS" for r domestic mailings of the or any other accompanying	
			pape	rs. Each additional pa	ertificate cannot be used faper, such as an assignme mailing or transmission.	or any other accompanying nt or formal drawing, must	
25541	7590 05/21			Certifi	cate of Mailing or Trans	mission	
NEAL, GERBER, & EISENBERG SUITE 2200 2 NORTH LASALLE STREET				I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below.			
CHICAGO, IL 6	50602					(Depositor's name)	
						(Signature)	
		_			_	(Date)	
APPLICATION NO.	FILING DATE		FIRST NAMED INVENTOR	A	ITORNEY DOCKET NO.	CONFIRMATION NO.	
10/567,286	02/03/2006		Yusong Chen		19599.01US1	9742	
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nonprovisional	NO	\$1440	\$300	\$0	\$1740	08/21/2008	
EXAM		ART UNIT	CLASS-SUBCLASS				
CARLSON  1. Change of correspond	, KAREN C	1656	530-385000  2. For printing on the pa				
Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			or agents OR, alternative (2) the name of a single registered attorney or a 2 registered patent attornisted, no name will be	(1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.			
PLEASE NOTE: Un	less an assignee is ident th in 37 CFR 3.11. Comp	ified below, no assignee	THE PATENT (print or typed data will appear on the part of a substitute for filing and (B) RESIDENCE: (CITY)	atent. If an assignee assignment.		ocument has been filed for	
Please check the appropr	riate assignee category or	categories (will not be pa	rinted on the patent): $\Box$	Individual 🗖 Corp	oration or other private gro	oup entity Government	
4a. The following fee(s) are submitted:  Issue Fee Publication Fee (No small entity discount permitted) Advance Order - # of Copies			b. Payment of Fee(s): ( <b>Plea</b> A check is enclosed.  Payment by credit card  The Director is hereby overpayment, to Depos	d. Form PTO-2038 is authorized to charge	attached. the required fee(s), any de		
5. Change in Entity Sta	tus (from status indicated s SMALL ENTITY statu	•	☐ b. Applicant is no long	er claiming SMALL	ENTITY status. See 37 CI	FR 1.27(g)(2).	
NOTE: The Issue Fee an	d Publication Fee (if requ		ed from anyone other than the			ne assignee or other party in	
Authorized Signature				Date			
Typed or printed name				Registration No.			
an application. Confiden submitting the complete this form and/or suggest Box 1450, Alexandria, V Alexandria, Virginia 223	tiality is governed by 35 d application form to the ions for reducing this but irginia 22313-1450. DC 313-1450.	U.S.C. 122 and 37 CFR USPTO. Time will vary rden, should be sent to the NOT SEND FEES OR	COMPLETED FORMS TO	imated to take 12 min idual case. Any comr r, U.S. Patent and Tra THIS ADDRESS. S	utes to complete, including nents on the amount of tired demark Office, U.S. Depart	g gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,	



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10/567,286	02/03/2006	Yusong Chen	19599.01US1	9742	
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NEAL, GERBER, & EISENBERG			CARLSON, KAREN C		
SUITE 2200	0		ART UNIT	PAPER NUMBER	
2 NORTH LASALLE STREET CHICAGO, IL 60602			1656 DATE MAILED: 05/21/200	8	

### Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 160 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 160 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)				
	10/567,286	CHEN ET AL.				
Notice of Allowability	Examiner	Art Unit				
	Karen Cochrane Carlson, Ph.D.	1656				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS. This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.						
1. This communication is responsive to the paper filed Februa	ary 26, 2008.					
2. The allowed claim(s) is/are <u>32-39</u> .						
<ol> <li>Acknowledgment is made of a claim for foreign priority unally all bloomests complete and bloomests are completed as a claim for foreign priority unally all bloomests and bloomests are completed as a claim for foreign priority unall bloomests.</li> <li>Certified copies of the priority documents have a copies of the certified copies of the priority documents are copies of the priority documents.</li> <li>Copies of the certified copies of the priority documents have a copies of the priority documents.</li> <li>Certified copies of the certified copies of the priority documents.</li> <li>Certified copies not received:</li> </ol>	been received. been received in Application No					
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.						
4. A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give						
5. CORRECTED DRAWINGS (as "replacement sheets") mus	t be submitted.					
(a) I including changes required by the Notice of Draftspers	on's Patent Drawing Review(PTO-9	948) attached				
1)  hereto or 2)  to Paper No./Mail Date						
(b)  including changes required by the attached Examiner's Paper No./Mail Date	s Amendment / Comment or in the O	ffice action of				
Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the	` ''	• ,				
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.						
Attachment(s)  1.  Notice of References Cited (PTO-892)	5. Notice of Informal Pa	atent Application				
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ∐ Interview Summary ( Paper No./Mail Date	` ' '				
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 3/2008	7. ⊠ Examiner's Amendm					
4.   Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	nt of Reasons for Allowance				
of Biological Material	9.					

This Notice of Allowability is in response to the paper Filed February 26, 2008 and to the acceptance of the Examiner's Amendments set forth below.

Claims 1-31 have been canceled. Claims 32-39 are currently pending.

Benefit of priority is to June 4, 2003, the filing of the now translated foreign priority documents.

An **Examiner's Amendment** to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with James P. Muraff on May 12, 2008.

### **Examiner's Amendments to the Claims:**

Please replace Claim 32(j) as follows:

In Claim 32(c), please replace "at least 3 cycles" with ---- 3 to 4 cycles ---.

----(j) filtering aseptically, filling, and lyophilizing the concentrated cardio myopeptidin <u>solution</u> to obtain a <u>polypeptide</u> <u>solution</u> comprising: 75% to 90% of <u>peptide</u> cardio myopeptidin; 6% to

15% of free amino acid; less than 2% of ribonucleic acid; and, less than 7.5% of deoxyribonucleic

acid, wherein the cardio myopeptidin shows four to five principal peaks on an HPLC analysis

spectrum, having a relative peak area of more than 85%, and wherein the cardio myopeptidin

reduces the effect of ischemia reperfusion in the heart. ----

In Claim 38, please delete "about".

The following is an **Examiner's Statement of Reasons for Allowance**: The prior art of record does not teach or suggest the claimed method of making cardio myopeptidin – see Applicants response dated February 26, 2008 in which Applicants compare their method of purifying cardio myopeptidin with that purification methods used in the cited prior art. Therefore, the claims are allowable over the art of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Karen Cochrane Carlson, Ph.D. whose telephone number is 571-272-0946. The examiner can normally be reached on 7:00 AM - 4:00 PM, off alternate Fridays.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Dr. Kathleen Kerr Bragdon can be reached on 571-272-0931. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Art Unit: 1656

/Karen Cochrane Carlson, Ph.D./ Primary Examiner, Art Unit 1656